

## **BRIAN B. JOHNSON**

### EDUCATION

Vermont Technical Collage – A.A.S in Architecture and Building Technology, 1984

Worcester Polytechnic Institute – B.S. Structural and Geotechnical Engineering, 1987

Worcester Polytechnic Institute – M.S. Geotechnical Engineering, 1989

### PROFESSIONAL REGISTRATION

Professional Engineer - Maine, Connecticut

### EMPLOYMENT HISTORY

Currently from 2005 - Sevee & Maher Engineers, Inc. Sr. Geotechnical Engineer

2005 from 1989 - MACTEC Engineering & Consulting, Inc., Portland, Maine, Northeast Regional Geotechnical Lead, Design Service Center

### EXPERIENCE

Directed a variety of geotechnical, geohydrological, geochemical, and hazardous waste investigations, including: light and heavy industry; CERCLA, RCRA and Greenfield sites; for private and government clients. These projects routinely have involved multidisciplinary efforts of laboratory analytical services, geotechnical engineers, solid and hazardous waste engineers, geophysicists, soil boring contractors, geochemists, monitoring well and piezometer installation contractors, geologists, marine engineers, structural engineers, biologists, and/or waste water engineers. Peer review and develop site conceptual models and remedial strategies for large, complex sediment and groundwater projects. Managed geotechnical engineering resources and served as lead geotechnical engineer for north eastern US (Maine to Virginia to Illinois) and managed geotechnical testing laboratory. Lead technical engineer on sediment remediation projects and work with Purdue University of sediment capping research. Worked on projects located throughout the United States, Jamaica, Kazakhstan and Saipan. Project budgets have ranged in excess of \$1-billion.

Typical projects in various areas of expertise include:

- Manage, direct and perform geotechnical investigations and develop geotechnical recommendation reports for small to moderate sized industrial buildings, including a pier expansion for Portland Pipe Line.
- Geotechnical engineer for reinforced soil slopes and walls in rivers and to support solid waste facilities.
- Design of permeable cover systems over sediments in marine and river sediments, while working with marine structural engineers and USACE. One was in the Housatonic River for the U.S. Army and subject to wave, tidal, light marine and ice action.

- Geotechnical engineer on several coal tar solidification, excavation, and NAPL removal projects. One project won the Grand Conceptor Award from the Consulting Engineers of Maine and was located adjacent to/in the Androscoggin River.
- Lead engineer on sediment remediation sites - Massachusetts, Connecticut, Indiana, New Jersey, and Michigan.
- Geotechnical engineer, Corinna, Maine NPL Site – stream relocation, pond removal and re-engineering, bridge foundation recommendations, and large excavation design. This project won Grand Conceptor in Consulting Engineers of Maine and received a National Honor Award.
- Designer and geotechnical engineer on several landfill closure projects, including peer review; and QA review for the Saipan Integrated Solid Waste Management Systems, a 2004 SWANA Silver Award winner.
- Design of two jet-grouted hydraulic containment walls and groundwater/NAPL collection systems in active chemical facilities and slurry wall projects at various facilities.
- Design and installation monitoring of under-slab vapor venting systems for commercial buildings.
- Hydrogeologic and contaminant assessments on Superfund sites, including Remediation Investigations (RI), Feasibility Studies (FS) and Corrective Measures Studies (CMS).
- Design and construction of groundwater collection systems to remediate groundwater at landfills and hazardous waste sites.
- Use and development of computer models for stability, settlement, subaqueous capping, gas migration, groundwater fate and transport, and reinforced soil slopes.
- Geotechnical Engineering of landfill cover and liner system design in Maine, Vermont, Massachusetts, Connecticut, New York, Pennsylvania, Florida, Michigan, Missouri, and Illinois. Cover slopes up to 2.5H:1V in Maine.